68 142 AA A 30

INNEHÅLL

AHNSTRÖM, G. and NATARAJAN, A. T., Mechanisms of chromosome breakage. — A new theory 379
BRAEND, M., EFREMOV, G. and RAASTAD, A., Genetics of bovine hemoglobin 255
CAVE, MAC DONALD, Reverse patterns of thymidine-H^3 incorporation in human chromosomes 338
DE LA CHAPELLE, ALBERT, WENNSTRÖM, JOHAN, HORTLING, HERMAN and OCKEY, CHARLES, H., Isochromosome-X in man. Part I 260
ERIKSSON, GÖSTA and TAVRIN, EDVARD, Variations in radiosensitivity during meiosis of pollen mother cells in maize 156
FJELD, ASBJÖRN and STRÖMNAES, ÖISTEIN, The parasexual cycle and linkage groups in *Penicillium expansum* 389
FRYDENBERG, OVE and NIELSEN, GUNNAR, Amylase isozymes in germinating barley seeds 123
FRÖST, SUNE and ELLERSTRÖM, SVEN, Protein content and fertility in tetraploid rye 119
GRIPENBERG, ULLA, Chromosome studies in some virus infections 1
GUSTAVSSON, INGEMAR and SUNDT, CARL OLOV, Chromosome complex of the family *Canidae* 249
HALKKA, OLLI and MIKKOLA, ERKKI, Characterization of clines and isolates in a case of balanced polymorphism 140
HOLM, GERHARD and BAJER, ANDRZEI, Cine micrographic studies on mitotic spiralization cycle 356
KVELLAND, INGERID, Mating and fertility pattern of *Drosophila melanogaster* males exposed to different temperatures 88
KVELLAND, INGERID and STRÖMNAES, ÖISTEIN, X-ray induced minutes in *Drosophila melanogaster* sperm ejaculated in consecutive matings 170
LINDSTRÖM, JÖRGEN, Transfer to wheat of accessory chromosomes from rye .. 149
— Colchicine treatments of polyploids in the group Hordeae 177
LUNDQVIST, ARNE, Self-incompatibility in *Dactylis Aschersoniana* GRAEBN. 70
MITELMANN, FELIX, Preferential chromosome loss in a Rous rat sarcoma in response to environmental changes 202
MÜNTZING, ARNE, Apomixis and sexuality in new material of *Poa alpina* from middle Sweden 314
NICHOLS, WARREN W., LEVAN, ALBERT, AULA, PERTTI and NORRBY, ERLING, Chromosome damage associated with the measles virus *in vitro* 101
NICHOLS, WARREN W., LEVAN, ALBERT, HENEEN, WAHEEB K. and PELUSE, MICHAEL, Synergism of the Schmidt-Ruppin strain of the Rous sarcoma virus and cytidine triphosphate in the induction of chromosome breaks in human cultured leukocytes 213

OCKEY, CHARLES H., WENNSTRÖM, JOHAN and DE LA CHAPELLE, ALBERT, Isochromosome-X in man. Part II 277
RAMEL, CLAES, The mechanism of interchromosomal effects on crossing-over 237
— The interchromosomal effect of inversions on crossing-over in relation to non homologous pairing in *Drosophila melanogaster* 293
RAMEL, CLAES and VALENTIN, JACK, Interchromosomal effects of the Curly inversions on crossing-over in *Drosophila melanogaster* 307
SICK, KNUD, Haemoglobin polymorphism of cod in the Baltic and the Danish Belt Sea 19
— Haemoglobin polymorphism of cod in the North Sea and the North Atlantic Ocean 49
SKARÉN, U. and HALKKA, O., The karyotype of *Sorex caecutiens* LAXMANN 376

277
237
293
307
19
49
376